

**Virginia Coastal Resilience Master Plan  
Technical Advisory Committee**

<b>Subject</b>	Technical Advisory Committee Meeting #4 Virginia Coastal Resilience Master Planning Framework	<b>Date</b>	April 21, 2021
<b>Facilitator</b>	Matthew J. Strickler - Chair	<b>Time</b>	1:00pm – 4:00pm
<b>Location</b>	WebEx - <a href="https://governor.virginia.gov/i/92ifb">https://governor.virginia.gov/i/92ifb</a>	<b>Scribe</b>	Ashley Samonisky

<b>Invitees/Attendees</b>			
#	Name	Organization/Role	Attended?
<b>Technical Advisory Committee Members - Appointed and Invited (Alternates in Parenthesis)</b>			
1.	Matthew J. Strickler,	Chair, Secretary of Natural Resources and Chief Resilience Officer	Y
2.	Rear Admiral Ann C. Phillips, USN(Retired)	Special Assistant to the Governor for Coastal Adaptation and Protection	Y
3.	Dr. Janice Underwood	Chief Diversity, Equity, and Inclusion Officer ( <b>Kimberly Cain</b> )	N
4.	Carlos Rivero	Chief Data Officer	Y
5.	Clyde Cristman	Director, Department of Conservation and Recreation	Y
6.	Curtis Brown	State Coordinator, Virginia Department of Emergency Management ( <b>Erin Sutton</b> )	N
7.	Erik Johnston	Director, Department of Housing and Community Development ( <b>Traci Munyan</b> )	N
8.	Stephanie L. Hamlett	Executive Director, Virginia Resources Authority ( <b>Shawn Crumlish</b> )	N
9.	David K. Paylor	Director, Department of Environmental Quality	Y
10.	Catherine C. McGhee	Director, Research and Innovation, Virginia Transportation Research Council	Y
11.	Steve Bowman	Commissioner, Virginia Marine Resources Commission ( <b>Randy Owen</b> )	N
12.	Emily Steinhilber	Coordinator, Commonwealth Center for Recurrent Flooding Resiliency at Old Dominion University	Y
13.	Dr. Mark Luckenbach	Associate Dean for Research and Advisory Services, Virginia Institute of Marine Science at William & Mary	Y
14.	Elizabeth Andrews	Director, Virginia Coastal Policy Center at William & Mary Law School	Y
15.	Dr. Robert Weiss	Director, Center for Coastal Studies at Virginia Tech	Y
16.	Dr. Karen McGlathery	Director, Environmental Resilience Institute at the University of Virginia, Norfolk District	Y
17.	Colonel Patrick V. Kinsman	Commander, United States Army Corps of Engineers	Y
18.	Dr. Troy Hartley	Director, Virginia Sea Grant	Y
19.	Robert A. Crum, Jr.	Executive Director, Hampton Roads Planning District Commission	Y
20.	Martha Heeter	Executive Director, Plan RVA (Richmond Regional Planning District Commission)	Y
21.	Robert W. Lazaro	Executive Director, Northern Virginia Regional Commission ( <b>Norm Goulet</b> )	N
22.	Jerry W. Davis	Executive Director, Northern Neck Planning District Commission ( <b>John Bateman</b> )	N
23.	Elaine Meil	Executive Director, Accomack-Norhampton Planning District Commission	Y
24.	Lewis L. Lawrence, III	Executive Director, Middle Peninsula Planning District Commission	Y
25.	Alec Brebner	Executive Director, Crater Planning District Commission	Y
26.	Kate Gibson	Acting Director GWRC ( <b>Denise Nelson</b> )	N
27.	Dr. Robert S. Young	Geology Professor, Program Director for the Study of Developed Shorelines, Western Carolina University	Y
28.	Mary-Carson Stiff	Wetlands Watch Policy Director, Wetlands Watch	Y
29.	Ashley Montgomery	Associate Designers, Hanbury	Y

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30.	Dr. Carl Hershner	Emeritus Professor of Marine Science, Virginia Institute of Marine Science at William & Mary	Y
31.	Jill Bieri	Director of Virginia Coast Reserve, The Nature Conservancy	Y
32.	Kristin Owen	Floodplain & Dam Safety Manager at Henrico County, Henrico County	Y
33.	Dr. Jessica Whitehead	Director, Institute for Coastal Adaptation and Resilience at Old Dominion University	Y
34.	Dr. Stephen Moret	President & CEO, Virginia Economic Development Partnership ( <b>Jason El Koubi</b> )	N
35.	Georgie Márquez	Principal, Andre Marquez Architects	N
36.	Sara Dunnigan	Deputy Director, GO Virginia and Economic Development, Department of Housing and Community Development	Y
37.	Eric Letsinger	CEO, Quantified Ventures	N
38.	Capt. Samson Stevens	USCG Sector Commander Hampton Roads	Y
39.	Scott Spencer	Office of Economic Adjustment, Department of Defense	Y
40.	Rear Admiral Charles Rock	Commander Navy Region Mid Atlantic ( <b>Joe Howell</b> )	Y
41.	Rear Admiral Craig Quigley (Retired)	US Navy, CEO, Hampton Roads Military and Federal Facilities Alliance	Y
42.	Mr. Reggie Tupponce	Tribal Administrator, The Upper Mattaponi Indian Tribe	Y
43.	Capt. Tom Crabbs	USCG (Retired), Military Liaison, Office of the Secretary of Veterans and Defense Affairs	Y
<b>Scheduled Speakers</b>			
44.	Brian Batten	Dewberry	Y
45.	Dale Morris	The Water Institute	Y
46.	Johanna Greenspan-Johnston	Dewberry	Y
47.	Caroline Whitehead	Dewberry	Y
48.	Matthew Mampara	Dewberry	Y
49.	Deepa Srinivasan	Vision Planning and Consulting	Y
<b>Designated Alternates</b>			
50.	Kimberly Cain	Special Assistant for Diversity, Equity, and Inclusion	Y
51.	Traci Munyan	Program Administrative Manager, Dept of Housing and Community Development	Y
52.	Kyle Flanders	Policy Planning Specialist, Dept. of Housing and Community Development	
53.	Lee Hutchinson	Resiliency Program Analyst, Dept of Housing and Community Development	Y
54.	Shawn Crumlish	Director of Financial Services, Virginia Resources Authority	Y
55.	Peter D'Alema	Director of Program Management, Virginia Resources Authority	
56.	Erin Sutton	Chief Deputy, Virginia Department of Emergency Management	Y
57.	Robbie Coates	Grants Division Director, Virginia Department of Emergency Management	
58.	Loren Gonzalez	Communications, Outreach, and Engagement Manager for the Office of the Chief Data Officer	
59.	Whitney Katchmark	Principal Water Resources Engineer, Hampton Roads PDC	Y
60.	Sarah Stewart	Planning Manager, Plan RVA (Richmond Regional PDC)	Y
61.	Corey Miles	Coastal Resources Program Manager, Northern Virginia Regional Commission	Y

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62.	Normand Goulet	Director, Division of Environmental and Resiliency Planning, Northern Virginia Regional Commission	Y
63.	Kate Gibson	Deputy Director, George Washington Regional Commission	
64.	Denise Nelson	Environmental Engineer, George Washington Regional Commission	Y
65.	John Bateman	Regional Planner, Northern Neck Planning District Commission	Y
66.	Shannon Alexander	Director of Planning, Accomack-Northampton Planning District Commission	Y
67.	Curtis Smith	Deputy Director, Middle Peninsula Planning District Commission	Y
68.	Jay Ruffa	Director of Planning & GIS, Crater Planning District Commission	
69.	Randy Owen	Deputy Chief of Habitat, Virginia Marine Resources Commission	Y
70.	Richard Klein	Civil Works Program Manager, USACE, Norfolk District	
71.	Keith Lockwood	Chief, Water Resources Division, USACE, Norfolk District	Y
72.	Tom Emerick	Chief Counsel, United States Army Corps of Engineers, Norfolk District	Y
73.	William "Skip" Stiles Jr	Executive Director, Wetlands Watch	Y
74.	Scott Miller	Principle and planner, Hanbury	
75.	Carol Considine	Program Head, Flooding and the Built Environment, Institute for Coastal Adaptation and Resilience at Old Dominion University	Y
76.	Jason El Koubi	Executive Vice President, The Virginia Economic Development Partnership	Y
77.	Kevin DuBois	Commander Navy Region Mid Atlantic Chesapeake Bay Program	Y
78.	Joe Howell	Commander Navy Region Mid Atlantic Regional Community Plans & Liaison Officer	Y
<b>Subcommittee Advisors</b>			
79.	Jessica Grannis	Coastal Resilience Director, Audubon	
80.	Shurui Zhang	Commonwealth Coastal and Marine Policy Fellow	Y
81.	Shep Moon	Coastal Planner, Virginia CZM Program	Y
82.	Joshua Saks	Deputy Secretary of Natural Resources	Y
83.	Jefferson Flood	Virginia Coastal Zone Management Program	Y
84.	Katie Sallee	Confidential Assistant to the Secretary of Natural Resources	Y
85.	Meryem Karad	Assistant Secretary of Natural Resources	Y
86.	Laura McKay	Virginia Coastal Zone Management Program	Y
<b>Other Participants</b>			
87.	Connor Winstead	DCR	Y
88.	Matt Dalon	DCR	Y
89.	Shannon Valentine	Secretary of Transportation	
90.	Carlos Hopkins	Secretary of Veterans and Defense Affairs	
91.	Morris Foster	Vice President for Research, Institute for Coastal Adaptation and Resilience at Old Dominion University	
92.	Russ Baxter	Deputy Director, Virginia Department of Conservation and Recreation	Y
93.	Alaurah Moss	Dewberry	Y
94.	Susan Bates	TNC Eastern Shore	Y
95.	Sarah Stewart	PLANRVA	Y
<b>Consultant Support</b>			
96.	Ashley Samonisky	Vision Planning and Consulting	Y
97.	Delceno Miles	The Miles Agency	Y

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<b>Agenda/Minutes</b>		
<b>#</b>	<b>Agenda Item</b>	<b>Minutes</b>
1.	Introduction	<p>Secretary Matthew Strickler called the TAC Meeting to order and provided a brief overview of today's meeting agenda. He asked for attendees to submit questions to the chat box and advised Katie Sallee will be moderating the chat. Secretary Strickler read the required Section 1289 verbiage and asked Rear Admiral Ann Phillips to take roll. Ann called roll and advised that a quorum is present. Secretary Strickler asked for a motion to continue the meeting virtually. Denise Nelson motioned and David Paylor seconded. Motion Passed.</p> <p>Secretary Strickler asked everyone to stay muted unless presenting. After presentations committee members can be unmuted for discussion by raising their hands. Staff will assist with recognizing attendees who have questions or comments. Members of the public will be allowed to ask question through chat box only by those who signed up in advance. This will take place during the last 20 minutes of the meeting.</p> <p>If anyone has any questions or there are any interruptions in the meeting, please call 804-663-7489 or email <a href="mailto:katie.sallee@governor.virginia.gov">katie.sallee@governor.virginia.gov</a>.</p>
2.	TAC Process Updates	<p>Ann Phillips provided updates and thanked all members for their participation in the meetings with the Dewberry Team over the past few weeks. She also introduced new staff to assist with the project - Matt Dalon and Connor Winstead.</p> <p>Ann stated that the role of the Subcommittees is to assist the TAC and advise the Commonwealth. The question of whether or not a report is needed is often posed. The answer is that the final Plan will be the product which pulls together all of the efforts by the Subcommittees. Certain requirements, including the Strategic Coastal Relocation handbook are specific tasks and have a deliverable, but otherwise, there is no requirement for a chapter or report from each subcommittee. Subcommittees may choose, as they move through the process, to develop a white paper on a topic of interest, but a report is not required.</p>
3.	Dewberry Team Introduction, Strategy/Process Presentation and Discussion	<p>Ann Phillips introduced Brian Batten, Project Manager of the Dewberry Team and turned over control to him for the presentation.</p> <p>Brian provided a brief outline of this afternoon's presentation: 1) Team Introduction, 2) Process Overview, and 3) Questions. Brian provided brief introductions to each of the partnering agencies/small businesses then continued with the Project Process presentation (See Attached Slides).</p> <p>Brian opened the floor to questions from TAC Members.</p> <ul style="list-style-type: none"> <li>• Q – Lewie Lawrence – Deepa Srinivasan, please expand on what your thoughts are on defining spatial boundaries for communities. <ul style="list-style-type: none"> <li>○ A – Deepa - It could mean a neighborhood, 2-3 neighborhoods, or even a street. We will home in on the definition to identify those populations in most need of outreach as the project progresses.</li> </ul> </li> <li>• Q – Lewie – Will your intention to be to link the spatial area back to the grant requirements? Defining a community that cannot access the resources does not achieve much more than just pointing to a neighborhood and saying there is a problem.</li> </ul>

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		<ul style="list-style-type: none"> <li>○ A – Matt Mampara– Great point, what the applicant or sub applicants look like, need to be the ones to connect the community to the projects. The risk exposure at the granular level will shape the narrative that informs the community seeking resources.</li> <li>○ A – Caroline Whitehead – We will be looking at the definition of an applicant to see where funding might not be accessible based on the definition of community.</li> <li>● Q – Bob Crum – Very impressive approach, compliments to your process. Very excited to see this move forward. Secretary Strickler, there is a very tight deadline, and with the relationship between the 7 Subcommittees and the consultant, there is no time for missteps. My concern is if a Subcommittee goes in a different direction in ideas and concepts than the consultant team, it could cost time, efficiencies, etc. I suggest that the consultants could provide the Subcommittees 2-3 questions on where you need our input to keep things moving. <ul style="list-style-type: none"> <li>○ A - Ann – Dewberry, Matt Dalon and I have been working on how to convey those needs to the Subcommittees. This has led to follow-up questions based on the process. We developed a system yesterday and have tested it on Science and Resources Subcommittee. There are many more than 2-3 questions, but they will be distributed in a manner that is FOIA compatible and considerate of people’s time. These questionnaires will be arriving soon.</li> <li>○ A – Secretary Strickler – This is the right question at the right time. There is a lot of evolution going on that may cause confusion, so we thank everyone for their patience. We have two issues; 1) tight timeline, and 2) the need for SCs to engage. We have a good plan for engagement, but if you have any suggestions, please let us know.</li> </ul> </li> <li>● Q – Karen McGlathery – Deepa, you mentioned using NGOs to expand our reach. Could you give examples of which organizations and how they will help reach those populations. <ul style="list-style-type: none"> <li>○ A – Deepa - We are hoping to have them help with door-to-door canvassing or attending community events or gatherings to help circulate the surveys. This is in addition to the meetings we will conduct in the underserved communities.</li> <li>○ A – Karen – What is the metric on reaching who we need to reach? Will it be based on the demographics of the area and then who we are reaching through the surveys?</li> <li>○ A – Deepa – We want to make sure we get the participation from all the groups we reach out to. That is why we are providing multiple opportunities for engagement. In addition to meetings and NGO supported outreach, we can leave materials at community centers and libraries, etc. to reach additional stakeholders.</li> </ul> </li> <li>● Q – Reggie Tupponce – We are located in King William County. There are 7 Federally Recognized Tribes in Virginia. Those of us in the east all live on</li> </ul>

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		<p>water and are threatened by sea rise and climate change. What is the intent to consult with the tribes on a government-to-government basis?</p> <ul style="list-style-type: none"> <li>○ A – Ann – We are working with the RTOC and have presented the master Plan Framework to them. We are more than willing to do anything you feel would be helpful with the Tribes in that context. In addition, the Virginia Coastal Zone Management Program and the Virginia Coastal Policy Center are working with the tribes as well, to help collaborate on improving resilience opportunities. We recognize the need to work directly with the tribes as individual entities throughout this process.</li> <li>○ A – Reggie - There are sites eroding away and remains have been found, which is very difficult for us. We know water will continue to rise. We are a water people and it is affecting fisheries and game as well. We are looking to submit a grant to BIA for a vulnerability assessment. We would love to partner and share data.</li> <li>○ A – Brian - We appreciate you bringing this up. We will make sure the Tribes are included in this process. We will also consider how best to include historic and cultural resources.</li> </ul>
4.	Subcommittee Updates and Questions related to Subcommittee Framework Tasking	<p><b>Project Identification Subcommittee – Lewis Lawrence</b> The Project ID Subcommittee has paced themselves slower so as not to be at odds with the Dewberry process/needs. The Subcommittee has sorted issues into 12 topical buckets with 60 sub-project categories. This has been shared with Dewberry. The Subcommittee wants to ensure this is aligned before sending back to the Subcommittee. There still needs to be a more substantive conversation on next steps.</p> <p><b>Project Evaluation Subcommittee - Dr. Carl Hershner</b> The Subcommittee has met with Dewberry briefly. Dewberry will provide questions for the Subcommittee to answer. The Subcommittee has also held presentation on the RAFT PREP Tool, and is also looking at the communities' flood preparedness / flood criteria to find overlaps and to provide useful comments to RAFT and Dewberry. The Subcommittee is scheduled to meet again in two weeks.</p> <p><b>Finance Subcommittee - Elizabeth Andrews</b> The Subcommittee met with Dewberry and is still trying to determine their roles going forward. In March there were DEQ, DCR, and VRA presenters to discuss various funding opportunities in Virginia and how they are aligned to use for resilience efforts. On Monday Eric Letsinger will present on environmental impact bonds and “pay for success” programs. Also, two speakers from New Jersey will present on their Blue Acres program, which melded with the Green Acres program extant since the 1960's. The goal is to identify find lessons learned that will work in Virginia. The topic schedule for meetings was developed before the Dewberry team came on board, so we will need to meet to discuss how this schedule can help Dewberry going forward. Funding comes in later in Dewberry's timeline, so the Subcommittee will work with them to meet that summer timeline. We look forward to providing whatever Virginia specific info Dewberry needs on funding options.</p>

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		<p>Community Outreach Subcommittee – Ashley Montgomery The Subcommittee met with Dewberry at the beginning of the month to align our thinking and understand on how the Subcommittee will collaborate. The Subcommittee needs to further refine this for next steps. Dewberry was informed of the work the Subcommittee had already begun by identifying NGOs and local representatives. A tool will also be developed to help the process be sustainable to not only serve this Master Plan, but also to support efforts in the future. Our next meeting on April 28<sup>th</sup> will be to determine messaging.</p> <p>Studies, Research, and Best Practices Subcommittee – Dr. Robert Weiss The Subcommittee has formed working groups to help distribute efforts efficiently. A team of students and interns has been developed to help with research and data for the coming tasks. (See Attached Slides). If you would like to nominate or self-nominate to serve as an SME to answer the consultant’s questions, please email Dr. Robert Weiss. The next meeting is May 10th and everyone is invited.</p> <p>Federal Installation Partnership Subcommittee – Capt. Thomas Crabbs The Subcommittee met this morning and have settled on a purpose statement with the hope to build out the coastal resilience needs that intersect at the local, tribal, and regional levels. The goal is to help achieve shared goals for all parties. There are three buckets for all tasks going forward – Awareness, Alignment, and Action. Lines of effort have also been developed for each of those buckets. (See Attached Slides) The Subcommittee looks forward to working with Dewberry and seconds Bob Crum’s suggestion to collaborate early and often. In May, the Subcommittee will help the Finance Subcommittee with three briefings. The Subcommittee meets the third Wednesday of every month, with the next meeting on May 19<sup>th</sup>.</p> <p>Aligning Economic Development Subcommittee - Sara Dunnigan The Subcommittee has had a conversation with Dewberry to recommend a process to better align state, regional, local, and economic development efforts in regard to the Resilience Plan. The Subcommittee is developing a baseline to see how existing efforts are aligned and are developing a survey instrument and a list of stakeholders (individuals or entities) with responsibilities for economic development efforts. After discussions on the intersection with the Outreach Subcommittee, more collaboration is required to refine our approach to the baseline understanding. The next meeting is Monday the 26th.</p> <p>Secretary Strickler advised attendees that efforts are off to a good start and understands that there are growing pains with so many moving parts, and thanks Subcommittees for their hard work and efforts to date.</p>
5.	Program Updates/ including (VCFPF, HB504, SB776)	Secretary Strickler provided updates on other initiatives that will support the CRMP. Virginia participated in its first Greenhouse Gas Auction in March, and captured \$19 million dollars in funding for resilience projects. A draft Grant Manual was developed to guide how to spend the funds brought in. The Manual incorporates all of the Master Plan principles, not just for coastal, but river and nuisance flooding as well. The Manual is out for public comment at this time. Although this work is happening before the final Master Plan is developed, there is a need to get started early.

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		<p>Manuals released before the final Master Plan will focus on identifying projects. Most of the funds will go to planning for localities that need help getting resilience efforts started. Estimates are at \$75-80 million dollars in funding for the program this year.</p> <p>DEQ is accepting public comments on a draft regulation to incorporate sea level rise and climate change into the Chesapeake Bay Act. The goal is to ensure that the Bay Act Buffers can protect water quality and facilitate climate change adaptation and resilience. The goal is to vote on a revised regulation in June.</p> <p>Draft guidelines for the Tidal Wetlands Program were borne from legislation at the General Assembly to strengthen Living Shoreline Protocols and ties to the DEQ Bay Act Regulations to protect resources and the land/sea interface. This will go for vote at the May meeting.</p> <p>Questions? – No Comments/Questions</p> <p>Secretary Strickler stated the aim is for the next TAC Meeting to be held in late June and advised he will follow up from this meeting with a poll for preferred dates.</p>
6.	Public Comments	<p>Secretary Strickler opened the floor to public comments at 2:58pm.</p> <ul style="list-style-type: none"> <li>• Charles Stuppard – No questions, one comment. I support everything you do and would like to see if there is any way to help gain support from the federal level. I offer my service in support of this project. <ul style="list-style-type: none"> <li>○ Secretary Strickler – Ann and I have testified on behalf of federal support, and I know you and Ann are in contact, so please keep us posted on developments on the Hill.</li> </ul> </li> </ul>
7.	Motion to Adjourn	Secretary Strickler suggested a motion to adjourn. Denise Nelson moved; Bob Crum seconded to adjourn. Motion passed. Meeting adjourned at 3:01pm

<b>Action Items</b>			
<b>#</b>	<b>Action Item</b>	<b>Owner (Organization)</b>	<b>Due Date</b>
1.	Send Doodle Poll to Committee Members to determine date of June Meeting	Chair	TBD
2.	If you would like to nominate or self-nominate to serve as an SME to answer the consultant's questions for the Studies, Research, and Best Practices Subcommittee, please email Dr. Robert Weiss	All	TBD
3.	Respond to the Consultant Questionnaires which will be distributed in the coming weeks.	Subcommittees	TBD

If you have any questions, please contact Ashley Samonisky, Vision Planning and Consulting, at [asamonisky@vision-pc.net](mailto:asamonisky@vision-pc.net).